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PHOTOGRAPHIC INTERPRETATION REPORT

WU-CHANG SHIPYARD
WU-HAN COMPLEX, CHINA

CIA

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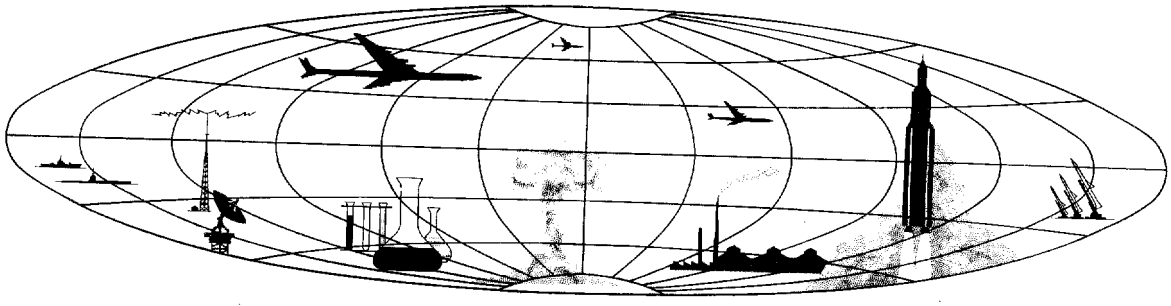

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WU-CHANG SHIPYARD, WU-HAN COMPLEX, CHINA

25X1D

INTRODUCTION

This report is one of a series describing Chinese Communist shipyards and ports as observed on aerial photography.

25X1A

The Wu-chang Shipyard [redacted] is located in the Wu-han complex in the southern section of the city of Wu-chang at the confluence of the Hsun-ssu Ho (River) and the Chang Chiang (Yangtze River) at 30-32N 114-17E (Figure 1). Facilities, Table 1, (Figure 2) at this shipyard include 5 building ways, 9 building ways/repairways, a transverse launching system, 3 fitting-out barges, 6 jib cranes, 1 hammerhead crane, at least 2 automotive cranes, 1 floating jib crane, and 1 floating shearlegs crane.

Between [redacted] a 510 by 100-foot covered building way and a 355 by 95-foot fabrication-type building were constructed. One minor building was removed during this period.

WU-CHANG SHIPYARD, WU-HAN COMPLEX, CHINA

The shipyard is divided into 2 areas. Area I, in the western section of the yard, contains 2 foundries, 2 possible foundries, 5 fabrication buildings, 2 light fabrication buildings, an assembly building, associated buildings, steel plate in open storage, and a probable housing

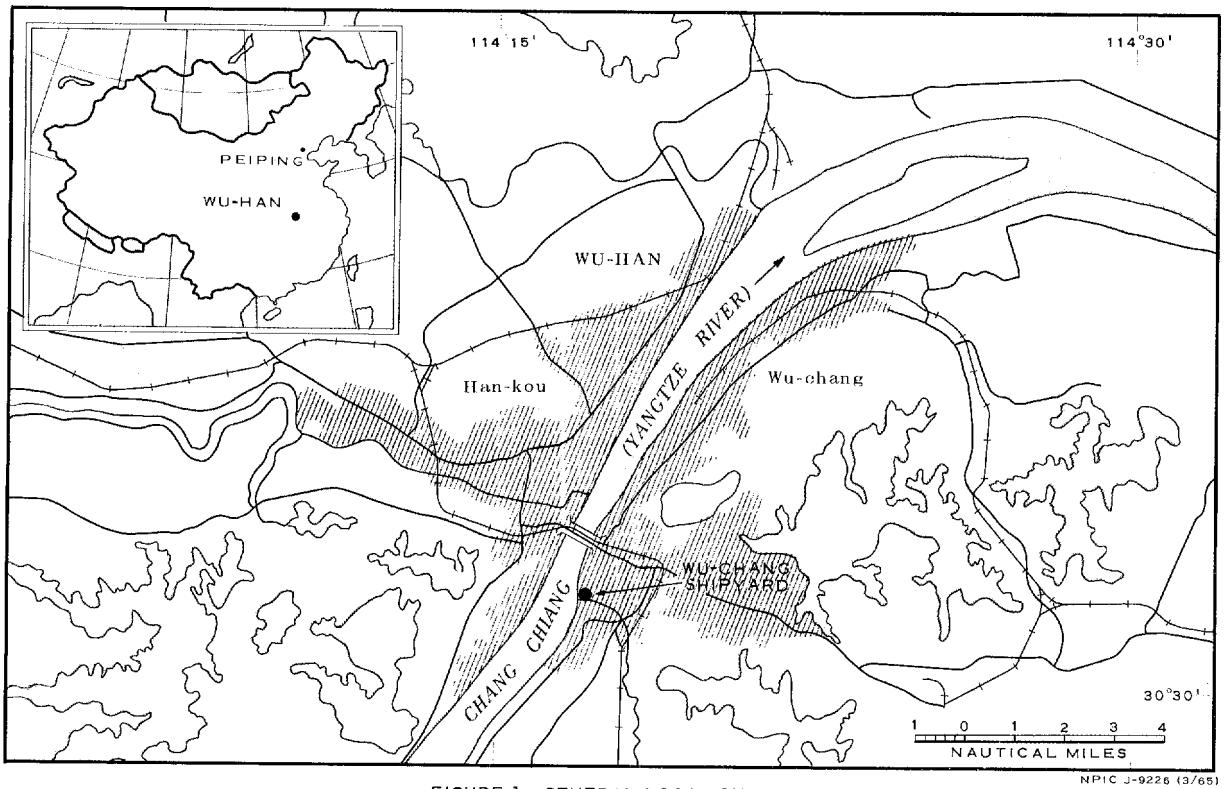


FIGURE 1. GENERAL LOCATION MAP.

25X1D

area, and is engaged in the construction of new ships. Area II, in the eastern section of the yard, has wood in open storage, and is utilized for the repair of older vessels and probably the construction of minor surface vessels.

The yard's launching system is of the Soviet style and consists of a transverser platform, a transverser, a sectional launching cradle, and a marine railway. From either the building ways or building ways/repairways, a vessel may be moved longitudinally onto the transverser and then laterally along the platform to a point in line with the launching cradle where it is transferred to the cradle for launching down the marine railway. The launching cradle is [redacted] A wall on each side of the cradle allows a maximum clearance of [redacted]

25X1D

There are 4 open major building ways ranging in size from 570 to 680 feet and one covered major building way 510 feet. There is a distance of [redacted] between the end of the covered building way and the beginning of the transverser platform. Directly across the transverser platform from the major ways are 9 smaller building ways/repairways (items 21E-21N) ranging from [redacted] No powerplant is visible in the shipyard.

The shipyard is not rail-served; the nearest major rail facility is the Wu-chang classification yard 3.0 nautical miles northeast.

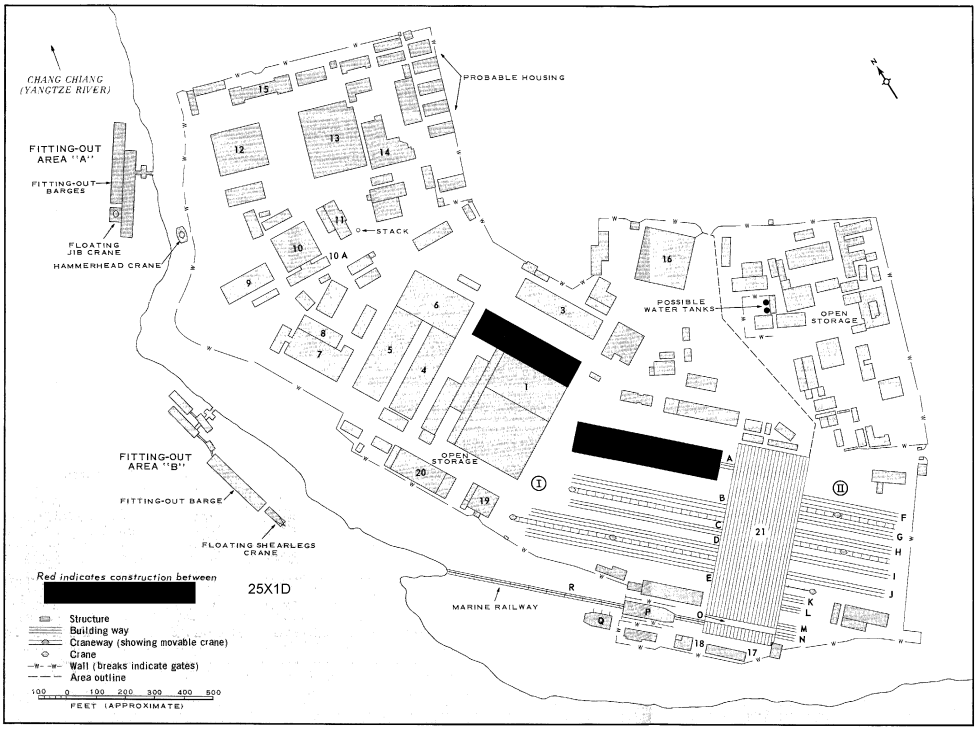
[redacted], building ways 21D and 21E were separately secured and had weather sheds at the northern ends covering unidentified objects measuring approximately [redacted] in diameter. On building way 21E one of these unidentified objects was visible between 2 of the sheds. Directly in front of it on the building way, and prohibiting its transfer, was an LSM-1-class LSM under construction. In [redacted] 25X1D
[redacted] seven weather sheds covered the ways. 25X1D
The above-mentioned objects were not visible and the LSM was in the same location. In [redacted] 25X1D
[redacted] two cylindrical objects similar to those seen 25X1D
in [redacted] protruded from weather sheds 25X1D
on the same building ways.

In addition to the unidentified objects on the building ways, 5 unidentified cylindrical objects measuring approximately [redacted] in diameter 25X1D
were located in the southern section of the yard. No definite conclusion can be drawn regarding their use. 25X1D

In [redacted] one probable W-class SS and 1 unidentified vessel were located under 25X1D
portable weather sheds on building ways 21D and 21E. One probable W-class sail was visible between the weather sheds on 1 of the 2 vessels. The overall length of the vessels was undetermined due to the sheds and canvas 25X1D
covering over the vessels but the overall length did not exceed 270 feet.

Table 2 lists the vessels observed at the shipyard on the missions indicated. The 3 fitting-out barges, floating crane and floating shearlegs crane appear on all photography.

25X1D



ITEM	FUNCTION	DIMENSIONS (ft)	ROOF TYPE
1	Fabrication	350 x 250	Multigabled
2	Fabrication	355 x 95	Flat
3	Storage	[redacted]	Gable
4	Fabrication		Gable
5	Fabrication		Monitor
6	Fabrication		Monitor
7	Possible Foundry	205 x 95	Monitor
8	Possible Foundry	150 x 45	Gable
9	Woodworking	185 x 65	Gable
10	Woodworking	140 x 130	Monitor
11	Woodworking	185 x 30	Monitor
11	Foundry	[redacted]	Flat
12	Light Fabrication		Monitor
13	Light Fabrication		Monitor
14	Foundry		Flat
15	Administration		Flat
16	Assembly	185 x 185	Monitor
17	Probable Winch House	[redacted]	Gable
18	Probable Winch House		Flat with a look-out tower in north corner
19	Workshop	100 x 80	Flat
20	Storage	240 x 80	Gable
21	Transverse-platform	[redacted]	(none)
21A	Covered Building way	510 x 100	Flat
			LIMITING FACTORS OF WIDTH
21B	Building way	570 x approx 70	Craneway to near wall of covered way
21C	Building way	[redacted]	Wall to craneway
21D	Building way		Craneway to wall
21E	Building way		Wall to craneway
21F	Building way/Repairway	335 x approx 50	Double craneway on north side
21G	Building way/Repairway	335 x 55	Craneway to craneway
21H	Building way/Repairway	335 x 55	Craneway to craneway
21I	Building way/Repairway	335 x 70	Craneway to craneway
21J	Building way/Repairway	335 x 70	Craneway to craneway
21K	Building way/Repairway	100 x 40	(none)
21L	Building way/Repairway	100 x 40	(none)
21M	Building way/Repairway	[redacted]	Width of tracks
21N	Building way/Repairway		Width of tracks
21O	Transverser		(none)
21P	1st Section of Cradle		(none)
21Q	2nd Section of Cradle		(none)
21R	Marine Railway	890 x approx 50	(none)

25X1D

FIGURE 2. WU-CHANG SHIPYARD, WU-HAN COMPLEX, CHINA.

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Table 2. Vessels (Location Keyed to Figure 2)

Location	Identification	Size (Ft)/ Configuration/ Hatches	Status	Identification	Size (Ft)/ Configuration/ Hatches	Status	Identification	Size (Ft)/ Configuration/ Hatches	Status
	25X1C [redacted]			25X1C [redacted]			25X1C [redacted]		
21B									
21C	2 probable Kronshtadt-class PC	170 x 20	U/C	2 probable Kronshtadt-class PC	170 x 20	U/C	3 probable T-43-class MSF	190 x 30	U/C
25X1D 21D	1 u/i object	[redacted] in diameter	U/C	3 weather sheds			2 u/i objects (one [redacted] in diameter)	Less than 270	U/C 25X1D
25X1D 21E	1 LSM-1-class LSM	200 x 35	U/C	1 LSM-1-class LSM	200 x 35	U/C	1 probable W-class SS	Less than 270	U/C
	1 u/i object	[redacted] in diameter	U/C	4 weather sheds			1 u/i object		
21F									
21G							2 river barges	145 x 30 (2 hatches each)	U/C
21H	1 u/i small craft	70 x 15	U/C	1 probable barge	140 x 30	U/C	2 u/i vessel	110 x 20	U/C or repair
	1 barge	140 x 30	U/C						
21I	1 u/i mine sweeper	205 x 30	U/C	1 u/i mine sweeper	205 x 30	U/C	2 u/i small craft	60 x 15	U/C or repair
	1 u/i surface vessel	140 x 30	U/C	1 u/i surface vessel	140 x 30	U/C			
21J	1 probable crane pontoon	115 x 55	U/C	1 possible crane pontoon	115 x 55	U/C	2 u/i objects		
21K	1 u/i small craft	70 x 20	U/C or repair	1 u/i small craft	70 x 20	U/C or repair	1 u/i small craft	65 x 15	U/C or repair
21L	1 u/i small craft	70 x 20	U/C or repair	1 u/i small craft	70 x 20	U/C or repair	1 u/i small craft	65 x 15	U/C or repair
21M				1 u/i small craft	70 x 20	U/C or repair			
21N	1 u/i small craft	70 x 20	U/C or repair	1 u/i small craft	70 x 20	U/C or repair	1 u/i small craft	60 x 15	U/C or repair
21O	1 u/i small craft	70 x 20	U/C or repair						
25X1D Fitting-out Area A	1 u/i small craft	95 x 30	fitting-out	1 probable crane pontoon	115 x 55	Unknown	1 LSM-1-class LSM	200 x 35	U/C
	1 W-class SS	[redacted]	fitting-out	2 u/i small craft	95 x 30	Fitting-out	1 u/i vessel	90 x 20	U/C or repair
				1 probable W-class SS	250 x 20	Fitting-out			
Fitting-out Area B	1 probable fitting-out barge	295 x 45	U/C or repair	3 river barges	140 x 35	Repair	2 probable crane pontoons	115 x 55	Unknown
	1 u/i small craft	105 x 25	U/C or repair	1 u/i small craft	105 x 25	Repair	5 u/i hulls	100 x 25	Unknown
	6 u/i small craft	65 x 15	U/C or repair	14 u/i small craft	75 x 20	Repair	8 u/i small craft	70 x 15	Repair
	3 u/i hulls	75 x 15	U/C or repair						

REFERENCES

PHOTOGRAPHY

Mission	Date	Camera	Frames	Classification
[redacted]				

25X1D

[redacted]

25X1C

MAPS

DIA. US Air Target Chart, Series 200, Sheet 0493-6HL, 2d ed, Mar 63 (SECRET)

DOCUMENTS

[redacted]

25X1C

Navy. ONI 45-288, *Wu-Han Communist China,* Oct 58 (SECRET)

Army. NR 306, *Wu-Han (Han-k'ow, Han-Yang, and Wu-Ch'ang) Hu-Pei Province, China,* Special Report, 16 Sep 57 (CONFIDENTIAL)

REQUIREMENT

NSA/P0432/R64-64 (C)

NPIC PROJECT

12037/64 (partial answer)

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